Release notes for ENDF/B Development n-060_Nd_147 evaluation

April 26, 2017

- **checkr** Warnings:

    1. A previous error halted parsing of the current section
       MAT=6040, MF= 1, MT=451 (1): Parsing stopped

        ```
        ERROR(S) FOUND IN MAT=6040, MF= 1, MT=451
            SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER     238 TO     498
        ```

- **checkr** Errors:

    1. A variable is outside the allowed ENDF range
       MAT=6040, MF= 1, MT=451 (0): Variable range

        ```
        ERROR(S) FOUND IN MAT=6040, MF= 1, MT=451
            MOD =     1 OUT OF RANGE     0 -     0          RECORD NUMBER     238
        ```

    2. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6040, MF= 2, MT=151 (0): Directory (b)

        ```
        ERROR(S) FOUND IN MAT=6040, MF= 2, MT=151
            SECTION  2/151 NOT IN DIRECTORY               RECORD NUMBER     500
        ```

    3. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6040, MF= 3, MT= 1 (0): Directory (b)

        ```
        ERROR(S) FOUND IN MAT=6040, MF= 3, MT=  1
            SECTION  3/  1 NOT IN DIRECTORY               RECORD NUMBER     644
        ```

    4. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6040, MF= 3, MT= 2 (0): Directory (b)

        ```
        ERROR(S) FOUND IN MAT=6040, MF= 3, MT=  2
            SECTION  3/  2 NOT IN DIRECTORY               RECORD NUMBER     663
        ```

    5. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6040, MF= 3, MT= 4 (0): Directory (b)

        ```
        ERROR(S) FOUND IN MAT=6040, MF= 3, MT=  4
            SECTION  3/  4 NOT IN DIRECTORY               RECORD NUMBER     698
        ```

    6. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6040, MF= 3, MT= 16 (0): Directory (b)

        ```
        ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 16
            SECTION  3/ 16 NOT IN DIRECTORY               RECORD NUMBER     727
        ```

    7. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6040, MF= 3, MT= 17 (0): Directory (b)

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```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 17
         SECTION  3/ 17 NOT IN DIRECTORY                 RECORD NUMBER     737
```

8. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF= 3, MT= 22 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 22
         SECTION  3/ 22 NOT IN DIRECTORY                 RECORD NUMBER     745
```

9. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF= 3, MT= 24 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 24
         SECTION  3/ 24 NOT IN DIRECTORY                 RECORD NUMBER     756
```

10. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 28 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 28
         SECTION  3/ 28 NOT IN DIRECTORY                 RECORD NUMBER     765
```

11. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 41 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 41
         SECTION  3/ 41 NOT IN DIRECTORY                 RECORD NUMBER     774
```

12. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 51 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 51
         SECTION  3/ 51 NOT IN DIRECTORY                 RECORD NUMBER     781
```

13. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 52 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 52
         SECTION  3/ 52 NOT IN DIRECTORY                 RECORD NUMBER     801
```

14. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 53 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 53
         SECTION  3/ 53 NOT IN DIRECTORY                 RECORD NUMBER     819
```

15. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 54 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 54
     SECTION  3/ 54 NOT IN DIRECTORY              RECORD NUMBER     837
```

16. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 55 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 55
     SECTION  3/ 55 NOT IN DIRECTORY              RECORD NUMBER     855
```

17. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 56 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 56
     SECTION  3/ 56 NOT IN DIRECTORY              RECORD NUMBER     872
```

18. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 57 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 57
     SECTION  3/ 57 NOT IN DIRECTORY              RECORD NUMBER     889
```

19. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 58 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 58
     SECTION  3/ 58 NOT IN DIRECTORY              RECORD NUMBER     905
```

20. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 59 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 59
     SECTION  3/ 59 NOT IN DIRECTORY              RECORD NUMBER     921
```

21. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 60 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 60
     SECTION  3/ 60 NOT IN DIRECTORY              RECORD NUMBER     937
```

22. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 61 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 61
     SECTION  3/ 61 NOT IN DIRECTORY              RECORD NUMBER     953
```

23. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 62 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 62
         SECTION  3/ 62 NOT IN DIRECTORY               RECORD NUMBER     969
```

24. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 63$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 63
         SECTION  3/ 63 NOT IN DIRECTORY               RECORD NUMBER     985
```

25. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 64$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 64
         SECTION  3/ 64 NOT IN DIRECTORY               RECORD NUMBER    1001
```

26. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 65$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 65
         SECTION  3/ 65 NOT IN DIRECTORY               RECORD NUMBER    1017
```

27. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 66$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 66
         SECTION  3/ 66 NOT IN DIRECTORY               RECORD NUMBER    1033
```

28. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 67$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 67
         SECTION  3/ 67 NOT IN DIRECTORY               RECORD NUMBER    1048
```

29. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 68$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 68
         SECTION  3/ 68 NOT IN DIRECTORY               RECORD NUMBER    1063
```

30. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 69$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 69
         SECTION  3/ 69 NOT IN DIRECTORY               RECORD NUMBER    1078
```

31. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040, MF= 3, MT= 70$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 70
        SECTION  3/ 70 NOT IN DIRECTORY                RECORD NUMBER    1093
```

32. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 71 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 71
        SECTION  3/ 71 NOT IN DIRECTORY                RECORD NUMBER    1108
```

33. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 72 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 72
        SECTION  3/ 72 NOT IN DIRECTORY                RECORD NUMBER    1123
```

34. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 73 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 73
        SECTION  3/ 73 NOT IN DIRECTORY                RECORD NUMBER    1138
```

35. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT= 91 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT= 91
        SECTION  3/ 91 NOT IN DIRECTORY                RECORD NUMBER    1153
```

36. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=102 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=102
        SECTION  3/102 NOT IN DIRECTORY                RECORD NUMBER    1170
```

37. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=103 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=103
        SECTION  3/103 NOT IN DIRECTORY                RECORD NUMBER    1191
```

38. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=107 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=107
        SECTION  3/107 NOT IN DIRECTORY                RECORD NUMBER    1207
```

39. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=600 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=600
        SECTION  3/600 NOT IN DIRECTORY                    RECORD NUMBER     1229
```

40. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=601 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=601
        SECTION  3/601 NOT IN DIRECTORY                    RECORD NUMBER     1240
```

41. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=602 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=602
        SECTION  3/602 NOT IN DIRECTORY                    RECORD NUMBER     1251
```

42. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=603 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=603
        SECTION  3/603 NOT IN DIRECTORY                    RECORD NUMBER     1262
```

43. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=604 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=604
        SECTION  3/604 NOT IN DIRECTORY                    RECORD NUMBER     1273
```

44. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=605 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=605
        SECTION  3/605 NOT IN DIRECTORY                    RECORD NUMBER     1284
```

45. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=606 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=606
        SECTION  3/606 NOT IN DIRECTORY                    RECORD NUMBER     1295
```

46. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=607 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 3, MT=607
        SECTION  3/607 NOT IN DIRECTORY                    RECORD NUMBER     1306
```

47. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=608 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=608
         SECTION   3/608 NOT IN DIRECTORY                    RECORD NUMBER    1317
```

48. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=609 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=609
         SECTION   3/609 NOT IN DIRECTORY                    RECORD NUMBER    1328
```

49. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=610 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=610
         SECTION   3/610 NOT IN DIRECTORY                    RECORD NUMBER    1339
```

50. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=611 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=611
         SECTION   3/611 NOT IN DIRECTORY                    RECORD NUMBER    1350
```

51. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=612 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=612
         SECTION   3/612 NOT IN DIRECTORY                    RECORD NUMBER    1361
```

52. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=613 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=613
         SECTION   3/613 NOT IN DIRECTORY                    RECORD NUMBER    1372
```

53. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=614 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=614
         SECTION   3/614 NOT IN DIRECTORY                    RECORD NUMBER    1383
```

54. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=649 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=649
         SECTION   3/649 NOT IN DIRECTORY                    RECORD NUMBER    1394
```

55. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=800 (0): Directory (b)

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```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=800
     SECTION  3/800 NOT IN DIRECTORY                RECORD NUMBER    1405
```

56. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=801 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=801
     SECTION  3/801 NOT IN DIRECTORY                RECORD NUMBER    1426
```

57. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=802 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=802
     SECTION  3/802 NOT IN DIRECTORY                RECORD NUMBER    1448
```

58. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=803 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=803
     SECTION  3/803 NOT IN DIRECTORY                RECORD NUMBER    1470
```

59. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=804 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=804
     SECTION  3/804 NOT IN DIRECTORY                RECORD NUMBER    1492
```

60. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=805 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=805
     SECTION  3/805 NOT IN DIRECTORY                RECORD NUMBER    1514
```

61. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=806 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=806
     SECTION  3/806 NOT IN DIRECTORY                RECORD NUMBER    1536
```

62. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=807 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 3, MT=807
     SECTION  3/807 NOT IN DIRECTORY                RECORD NUMBER    1558
```

63. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=808 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=808
            SECTION  3/808 NOT IN DIRECTORY                   RECORD NUMBER    1580
```

64. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=809 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=809
            SECTION  3/809 NOT IN DIRECTORY                   RECORD NUMBER    1602
```

65. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=810 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=810
            SECTION  3/810 NOT IN DIRECTORY                   RECORD NUMBER    1623
```

66. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=811 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=811
            SECTION  3/811 NOT IN DIRECTORY                   RECORD NUMBER    1644
```

67. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=812 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=812
            SECTION  3/812 NOT IN DIRECTORY                   RECORD NUMBER    1665
```

68. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=813 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=813
            SECTION  3/813 NOT IN DIRECTORY                   RECORD NUMBER    1685
```

69. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=814 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=814
            SECTION  3/814 NOT IN DIRECTORY                   RECORD NUMBER    1704
```

70. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=815 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF= 3, MT=815
            SECTION  3/815 NOT IN DIRECTORY                   RECORD NUMBER    1723
```

71. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=816 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=816
         SECTION  3/816 NOT IN DIRECTORY                 RECORD NUMBER    1742
```

72. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=817 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=817
         SECTION  3/817 NOT IN DIRECTORY                 RECORD NUMBER    1761
```

73. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=818 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=818
         SECTION  3/818 NOT IN DIRECTORY                 RECORD NUMBER    1779
```

74. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=819 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=819
         SECTION  3/819 NOT IN DIRECTORY                 RECORD NUMBER    1797
```

75. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=820 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=820
         SECTION  3/820 NOT IN DIRECTORY                 RECORD NUMBER    1815
```

76. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 3, MT=849 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 3, MT=849
         SECTION  3/849 NOT IN DIRECTORY                 RECORD NUMBER    1833
```

77. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 2 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=  2
         SECTION  4/  2 NOT IN DIRECTORY                 RECORD NUMBER    1856
```

78. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 51 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 51
         SECTION  4/ 51 NOT IN DIRECTORY                 RECORD NUMBER    1999
```

79. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 52 (0): Directory (b)

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```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 52
        SECTION  4/ 52 NOT IN DIRECTORY                  RECORD NUMBER    2137
```

80. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 53 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 53
        SECTION  4/ 53 NOT IN DIRECTORY                  RECORD NUMBER    2228
```

81. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 54 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 54
        SECTION  4/ 54 NOT IN DIRECTORY                  RECORD NUMBER    2353
```

82. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 55 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 55
        SECTION  4/ 55 NOT IN DIRECTORY                  RECORD NUMBER    2440
```

83. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 56 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 56
        SECTION  4/ 56 NOT IN DIRECTORY                  RECORD NUMBER    2523
```

84. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 57 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 57
        SECTION  4/ 57 NOT IN DIRECTORY                  RECORD NUMBER    2604
```

85. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 58 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 58
        SECTION  4/ 58 NOT IN DIRECTORY                  RECORD NUMBER    2683
```

86. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 59 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 59
        SECTION  4/ 59 NOT IN DIRECTORY                  RECORD NUMBER    2762
```

87. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 60 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 60
         SECTION  4/ 60 NOT IN DIRECTORY                RECORD NUMBER    2839
```

88. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 61 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 61
         SECTION  4/ 61 NOT IN DIRECTORY                RECORD NUMBER    2916
```

89. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 62 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 62
         SECTION  4/ 62 NOT IN DIRECTORY                RECORD NUMBER    2993
```

90. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 63
         SECTION  4/ 63 NOT IN DIRECTORY                RECORD NUMBER    3068
```

91. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 64
         SECTION  4/ 64 NOT IN DIRECTORY                RECORD NUMBER    3143
```

92. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 65
         SECTION  4/ 65 NOT IN DIRECTORY                RECORD NUMBER    3218
```

93. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 66
         SECTION  4/ 66 NOT IN DIRECTORY                RECORD NUMBER    3291
```

94. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 67 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 67
         SECTION  4/ 67 NOT IN DIRECTORY                RECORD NUMBER    3364
```

95. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6040, MF= 4, MT= 68 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 68
          SECTION  4/ 68 NOT IN DIRECTORY                 RECORD NUMBER    3435
```

96. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT= 69\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 69
          SECTION  4/ 69 NOT IN DIRECTORY                 RECORD NUMBER    3506
```

97. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT= 70\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 70
          SECTION  4/ 70 NOT IN DIRECTORY                 RECORD NUMBER    3577
```

98. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT= 71\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 71
          SECTION  4/ 71 NOT IN DIRECTORY                 RECORD NUMBER    3648
```

99. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT= 72\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 72
          SECTION  4/ 72 NOT IN DIRECTORY                 RECORD NUMBER    3719
```

100. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT= 73\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT= 73
          SECTION  4/ 73 NOT IN DIRECTORY                 RECORD NUMBER    3788
```

101. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT=600\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=600
          SECTION  4/600 NOT IN DIRECTORY                 RECORD NUMBER    3857
```

102. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT=601\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=601
          SECTION  4/601 NOT IN DIRECTORY                 RECORD NUMBER    3902
```

103. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6040, MF= 4, MT=602\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=602
           SECTION  4/602 NOT IN DIRECTORY                    RECORD NUMBER    3947
```

104. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=603 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=603
           SECTION  4/603 NOT IN DIRECTORY                    RECORD NUMBER    3992
```

105. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=604 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=604
           SECTION  4/604 NOT IN DIRECTORY                    RECORD NUMBER    4037
```

106. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=605 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=605
           SECTION  4/605 NOT IN DIRECTORY                    RECORD NUMBER    4082
```

107. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=606 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=606
           SECTION  4/606 NOT IN DIRECTORY                    RECORD NUMBER    4127
```

108. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=607 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=607
           SECTION  4/607 NOT IN DIRECTORY                    RECORD NUMBER    4172
```

109. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=608 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=608
           SECTION  4/608 NOT IN DIRECTORY                    RECORD NUMBER    4217
```

110. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=609 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=609
           SECTION  4/609 NOT IN DIRECTORY                    RECORD NUMBER    4262
```

111. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=610 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=610
         SECTION  4/610 NOT IN DIRECTORY                  RECORD NUMBER    4307
```

112. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=611 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=611
         SECTION  4/611 NOT IN DIRECTORY                  RECORD NUMBER    4352
```

113. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=612 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=612
         SECTION  4/612 NOT IN DIRECTORY                  RECORD NUMBER    4397
```

114. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=613 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=613
         SECTION  4/613 NOT IN DIRECTORY                  RECORD NUMBER    4442
```

115. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=614 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=614
         SECTION  4/614 NOT IN DIRECTORY                  RECORD NUMBER    4487
```

116. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=800 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=800
         SECTION  4/800 NOT IN DIRECTORY                  RECORD NUMBER    4532
```

117. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=801 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=801
         SECTION  4/801 NOT IN DIRECTORY                  RECORD NUMBER    4641
```

118. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=802 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=802
         SECTION  4/802 NOT IN DIRECTORY                  RECORD NUMBER    4750
```

119. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=803 (0): Directory (b)

15

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=803
         SECTION  4/803 NOT IN DIRECTORY                    RECORD NUMBER    4859
```

120. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=804 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=804
         SECTION  4/804 NOT IN DIRECTORY                    RECORD NUMBER    4968
```

121. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=805 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=805
         SECTION  4/805 NOT IN DIRECTORY                    RECORD NUMBER    5077
```

122. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=806 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=806
         SECTION  4/806 NOT IN DIRECTORY                    RECORD NUMBER    5186
```

123. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=807 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=807
         SECTION  4/807 NOT IN DIRECTORY                    RECORD NUMBER    5295
```

124. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=808 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=808
         SECTION  4/808 NOT IN DIRECTORY                    RECORD NUMBER    5404
```

125. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=809 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=809
         SECTION  4/809 NOT IN DIRECTORY                    RECORD NUMBER    5513
```

126. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=810 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF= 4, MT=810
         SECTION  4/810 NOT IN DIRECTORY                    RECORD NUMBER    5622
```

127. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=811 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=811
     SECTION  4/811 NOT IN DIRECTORY                RECORD NUMBER    5731
```

128. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=812 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=812
     SECTION  4/812 NOT IN DIRECTORY                RECORD NUMBER    5840
```

129. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=813 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=813
     SECTION  4/813 NOT IN DIRECTORY                RECORD NUMBER    5949
```

130. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=814 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=814
     SECTION  4/814 NOT IN DIRECTORY                RECORD NUMBER    6058
```

131. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=815 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=815
     SECTION  4/815 NOT IN DIRECTORY                RECORD NUMBER    6167
```

132. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=816 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=816
     SECTION  4/816 NOT IN DIRECTORY                RECORD NUMBER    6276
```

133. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=817 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=817
     SECTION  4/817 NOT IN DIRECTORY                RECORD NUMBER    6385
```

134. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=818 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF= 4, MT=818
     SECTION  4/818 NOT IN DIRECTORY                RECORD NUMBER    6494
```

135. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF= 4, MT=819 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=819
            SECTION  4/819 NOT IN DIRECTORY                    RECORD NUMBER    6603
```

136. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 4, MT=820 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 4, MT=820
            SECTION  4/820 NOT IN DIRECTORY                    RECORD NUMBER    6712
```

137. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 6, MT= 16 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT= 16
            SECTION  6/ 16 NOT IN DIRECTORY                    RECORD NUMBER    6822
```

138. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 6, MT= 17 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT= 17
            SECTION  6/ 17 NOT IN DIRECTORY                    RECORD NUMBER    8834
```

139. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 6, MT= 22 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT= 22
            SECTION  6/ 22 NOT IN DIRECTORY                    RECORD NUMBER    9252
```

140. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 6, MT= 24 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT= 24
            SECTION  6/ 24 NOT IN DIRECTORY                    RECORD NUMBER   11981
```

141. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 6, MT= 28 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT= 28
            SECTION  6/ 28 NOT IN DIRECTORY                    RECORD NUMBER   13143
```

142. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 6, MT= 41 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT= 41
            SECTION  6/ 41 NOT IN DIRECTORY                    RECORD NUMBER   14284
```

143. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF= 6, MT= 91 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT= 91
          SECTION  6/ 91 NOT IN DIRECTORY                RECORD NUMBER   14534
```

144. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=\ 6,\ MT=102\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT=102
          SECTION  6/102 NOT IN DIRECTORY                RECORD NUMBER   19732
```

145. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=\ 6,\ MT=649\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT=649
          SECTION  6/649 NOT IN DIRECTORY                RECORD NUMBER   21675
```

146. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=\ 6,\ MT=849\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF= 6, MT=849
          SECTION  6/849 NOT IN DIRECTORY                RECORD NUMBER   22910
```

147. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=12,\ MT=\ 51\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT= 51
          SECTION 12/ 51 NOT IN DIRECTORY                RECORD NUMBER   25582
```

148. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=12,\ MT=\ 52\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT= 52
          SECTION 12/ 52 NOT IN DIRECTORY                RECORD NUMBER   25586
```

149. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=12,\ MT=\ 53\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT= 53
          SECTION 12/ 53 NOT IN DIRECTORY                RECORD NUMBER   25590
```

150. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=12,\ MT=\ 54\ (0):\ Directory\ (b)$

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT= 54
          SECTION 12/ 54 NOT IN DIRECTORY                RECORD NUMBER   25594
```

151. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040,\ MF=12,\ MT=\ 55\ (0):\ Directory\ (b)$

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 55
          SECTION 12/ 55 NOT IN DIRECTORY                    RECORD NUMBER    25598
```

152. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 56 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 56
          SECTION 12/ 56 NOT IN DIRECTORY                    RECORD NUMBER    25603
```

153. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 57 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 57
          SECTION 12/ 57 NOT IN DIRECTORY                    RECORD NUMBER    25608
```

154. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 58 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 58
          SECTION 12/ 58 NOT IN DIRECTORY                    RECORD NUMBER    25613
```

155. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 59 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 59
          SECTION 12/ 59 NOT IN DIRECTORY                    RECORD NUMBER    25617
```

156. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 60 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 60
          SECTION 12/ 60 NOT IN DIRECTORY                    RECORD NUMBER    25621
```

157. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 61 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 61
          SECTION 12/ 61 NOT IN DIRECTORY                    RECORD NUMBER    25626
```

158. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 62 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=12, MT= 62
          SECTION 12/ 62 NOT IN DIRECTORY                    RECORD NUMBER    25630
```

159. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=12, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 63
         SECTION 12/ 63 NOT IN DIRECTORY                RECORD NUMBER   25634
```

160. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 64
         SECTION 12/ 64 NOT IN DIRECTORY                RECORD NUMBER   25639
```

161. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 65
         SECTION 12/ 65 NOT IN DIRECTORY                RECORD NUMBER   25644
```

162. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 66
         SECTION 12/ 66 NOT IN DIRECTORY                RECORD NUMBER   25648
```

163. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 67 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 67
         SECTION 12/ 67 NOT IN DIRECTORY                RECORD NUMBER   25652
```

164. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 68 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 68
         SECTION 12/ 68 NOT IN DIRECTORY                RECORD NUMBER   25656
```

165. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 69 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 69
         SECTION 12/ 69 NOT IN DIRECTORY                RECORD NUMBER   25660
```

166. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 70 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 70
         SECTION 12/ 70 NOT IN DIRECTORY                RECORD NUMBER   25664
```

167. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT= 71 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 71
          SECTION 12/ 71 NOT IN DIRECTORY                    RECORD NUMBER    25668
```

168. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT= 72$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 72
          SECTION 12/ 72 NOT IN DIRECTORY                    RECORD NUMBER    25672
```

169. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT= 73$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT= 73
          SECTION 12/ 73 NOT IN DIRECTORY                    RECORD NUMBER    25676
```

170. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT=601$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=601
          SECTION 12/601 NOT IN DIRECTORY                    RECORD NUMBER    25680
```

171. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT=602$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=602
          SECTION 12/602 NOT IN DIRECTORY                    RECORD NUMBER    25684
```

172. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT=603$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=603
          SECTION 12/603 NOT IN DIRECTORY                    RECORD NUMBER    25688
```

173. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT=604$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=604
          SECTION 12/604 NOT IN DIRECTORY                    RECORD NUMBER    25692
```

174. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT=605$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=605
          SECTION 12/605 NOT IN DIRECTORY                    RECORD NUMBER    25696
```

175. Missing a section in directory so your directory is messed up. This error will break everything else
$MAT=6040$, $MF=12$, $MT=606$ (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=606
          SECTION 12/606 NOT IN DIRECTORY                  RECORD NUMBER    25700
```

176. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=607 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=607
          SECTION 12/607 NOT IN DIRECTORY                  RECORD NUMBER    25704
```

177. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=608 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=608
          SECTION 12/608 NOT IN DIRECTORY                  RECORD NUMBER    25708
```

178. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=609 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=609
          SECTION 12/609 NOT IN DIRECTORY                  RECORD NUMBER    25712
```

179. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=610 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=610
          SECTION 12/610 NOT IN DIRECTORY                  RECORD NUMBER    25716
```

180. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=611 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=611
          SECTION 12/611 NOT IN DIRECTORY                  RECORD NUMBER    25720
```

181. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=612 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=612
          SECTION 12/612 NOT IN DIRECTORY                  RECORD NUMBER    25724
```

182. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=613 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=613
          SECTION 12/613 NOT IN DIRECTORY                  RECORD NUMBER    25728
```

183. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=614 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=614
          SECTION 12/614 NOT IN DIRECTORY                    RECORD NUMBER   25733
```

184. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=801 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=801
          SECTION 12/801 NOT IN DIRECTORY                    RECORD NUMBER   25737
```

185. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=802 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=802
          SECTION 12/802 NOT IN DIRECTORY                    RECORD NUMBER   25741
```

186. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=803 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=803
          SECTION 12/803 NOT IN DIRECTORY                    RECORD NUMBER   25745
```

187. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=804 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=804
          SECTION 12/804 NOT IN DIRECTORY                    RECORD NUMBER   25749
```

188. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=805 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=805
          SECTION 12/805 NOT IN DIRECTORY                    RECORD NUMBER   25753
```

189. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=806 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=806
          SECTION 12/806 NOT IN DIRECTORY                    RECORD NUMBER   25757
```

190. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=807 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6040, MF=12, MT=807
          SECTION 12/807 NOT IN DIRECTORY                    RECORD NUMBER   25761
```

191. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=808 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=808
            SECTION 12/808 NOT IN DIRECTORY                    RECORD NUMBER   25765
```

192. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=809 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=809
            SECTION 12/809 NOT IN DIRECTORY                    RECORD NUMBER   25769
```

193. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=810 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=810
            SECTION 12/810 NOT IN DIRECTORY                    RECORD NUMBER   25773
```

194. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=811 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=811
            SECTION 12/811 NOT IN DIRECTORY                    RECORD NUMBER   25777
```

195. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=812 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=812
            SECTION 12/812 NOT IN DIRECTORY                    RECORD NUMBER   25781
```

196. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=813 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=813
            SECTION 12/813 NOT IN DIRECTORY                    RECORD NUMBER   25785
```

197. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=814 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=814
            SECTION 12/814 NOT IN DIRECTORY                    RECORD NUMBER   25789
```

198. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=815 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=12, MT=815
            SECTION 12/815 NOT IN DIRECTORY                    RECORD NUMBER   25793
```

199. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=816 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=12, MT=816
     SECTION 12/816 NOT IN DIRECTORY                    RECORD NUMBER    25797
```

200. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=817 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=12, MT=817
     SECTION 12/817 NOT IN DIRECTORY                    RECORD NUMBER    25801
```

201. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=818 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=12, MT=818
     SECTION 12/818 NOT IN DIRECTORY                    RECORD NUMBER    25805
```

202. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=819 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=12, MT=819
     SECTION 12/819 NOT IN DIRECTORY                    RECORD NUMBER    25809
```

203. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=12, MT=820 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=12, MT=820
     SECTION 12/820 NOT IN DIRECTORY                    RECORD NUMBER    25813
```

204. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 51 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 51
     SECTION 14/ 51 NOT IN DIRECTORY                    RECORD NUMBER    25818
```

205. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 52 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 52
     SECTION 14/ 52 NOT IN DIRECTORY                    RECORD NUMBER    25820
```

206. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 53 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 53
     SECTION 14/ 53 NOT IN DIRECTORY                    RECORD NUMBER    25822
```

207. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 54 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 54
     SECTION 14/ 54 NOT IN DIRECTORY                 RECORD NUMBER    25824
```

208. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 55 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 55
     SECTION 14/ 55 NOT IN DIRECTORY                 RECORD NUMBER    25826
```

209. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 56 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 56
     SECTION 14/ 56 NOT IN DIRECTORY                 RECORD NUMBER    25828
```

210. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 57 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 57
     SECTION 14/ 57 NOT IN DIRECTORY                 RECORD NUMBER    25830
```

211. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 58 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 58
     SECTION 14/ 58 NOT IN DIRECTORY                 RECORD NUMBER    25832
```

212. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 59 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 59
     SECTION 14/ 59 NOT IN DIRECTORY                 RECORD NUMBER    25834
```

213. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 60 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 60
     SECTION 14/ 60 NOT IN DIRECTORY                 RECORD NUMBER    25836
```

214. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 61 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT= 61
     SECTION 14/ 61 NOT IN DIRECTORY                 RECORD NUMBER    25838
```

215. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 62 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 62
            SECTION 14/ 62 NOT IN DIRECTORY                RECORD NUMBER   25840
```

216. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 63 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 63
            SECTION 14/ 63 NOT IN DIRECTORY                RECORD NUMBER   25842
```

217. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 64 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 64
            SECTION 14/ 64 NOT IN DIRECTORY                RECORD NUMBER   25844
```

218. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 65 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 65
            SECTION 14/ 65 NOT IN DIRECTORY                RECORD NUMBER   25846
```

219. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 66 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 66
            SECTION 14/ 66 NOT IN DIRECTORY                RECORD NUMBER   25848
```

220. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 67 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 67
            SECTION 14/ 67 NOT IN DIRECTORY                RECORD NUMBER   25850
```

221. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 68 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 68
            SECTION 14/ 68 NOT IN DIRECTORY                RECORD NUMBER   25852
```

222. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 69 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT= 69
            SECTION 14/ 69 NOT IN DIRECTORY                RECORD NUMBER   25854
```

223. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 70 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT= 70
          SECTION 14/ 70 NOT IN DIRECTORY                RECORD NUMBER    25856
```

224. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 71 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT= 71
          SECTION 14/ 71 NOT IN DIRECTORY                RECORD NUMBER    25858
```

225. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 72 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT= 72
          SECTION 14/ 72 NOT IN DIRECTORY                RECORD NUMBER    25860
```

226. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT= 73 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT= 73
          SECTION 14/ 73 NOT IN DIRECTORY                RECORD NUMBER    25862
```

227. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=601 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT=601
          SECTION 14/601 NOT IN DIRECTORY                RECORD NUMBER    25864
```

228. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=602 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT=602
          SECTION 14/602 NOT IN DIRECTORY                RECORD NUMBER    25866
```

229. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=603 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT=603
          SECTION 14/603 NOT IN DIRECTORY                RECORD NUMBER    25868
```

230. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=604 (0): Directory (b)

```
       ERROR(S) FOUND IN MAT=6040, MF=14, MT=604
          SECTION 14/604 NOT IN DIRECTORY                RECORD NUMBER    25870
```

231. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=605 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=605
     SECTION 14/605 NOT IN DIRECTORY                 RECORD NUMBER    25872
```

232. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=606 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=606
     SECTION 14/606 NOT IN DIRECTORY                 RECORD NUMBER    25874
```

233. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=607 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=607
     SECTION 14/607 NOT IN DIRECTORY                 RECORD NUMBER    25876
```

234. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=608 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=608
     SECTION 14/608 NOT IN DIRECTORY                 RECORD NUMBER    25878
```

235. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=609 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=609
     SECTION 14/609 NOT IN DIRECTORY                 RECORD NUMBER    25880
```

236. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=610 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=610
     SECTION 14/610 NOT IN DIRECTORY                 RECORD NUMBER    25882
```

237. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=611 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=611
     SECTION 14/611 NOT IN DIRECTORY                 RECORD NUMBER    25884
```

238. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=612 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6040, MF=14, MT=612
     SECTION 14/612 NOT IN DIRECTORY                 RECORD NUMBER    25886
```

239. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6040, MF=14, MT=613 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=613
            SECTION 14/613 NOT IN DIRECTORY                 RECORD NUMBER   25888
```

240. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=614 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=614
            SECTION 14/614 NOT IN DIRECTORY                 RECORD NUMBER   25890
```

241. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=801 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=801
            SECTION 14/801 NOT IN DIRECTORY                 RECORD NUMBER   25892
```

242. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=802 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=802
            SECTION 14/802 NOT IN DIRECTORY                 RECORD NUMBER   25894
```

243. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=803 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=803
            SECTION 14/803 NOT IN DIRECTORY                 RECORD NUMBER   25896
```

244. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=804 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=804
            SECTION 14/804 NOT IN DIRECTORY                 RECORD NUMBER   25898
```

245. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=805 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=805
            SECTION 14/805 NOT IN DIRECTORY                 RECORD NUMBER   25900
```

246. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=806 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=806
            SECTION 14/806 NOT IN DIRECTORY                 RECORD NUMBER   25902
```

247. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6040, MF=14, MT=807 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=807
             SECTION 14/807 NOT IN DIRECTORY                    RECORD NUMBER    25904
```

248. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=808 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=808
             SECTION 14/808 NOT IN DIRECTORY                    RECORD NUMBER    25906
```

249. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=809 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=809
             SECTION 14/809 NOT IN DIRECTORY                    RECORD NUMBER    25908
```

250. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=810 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=810
             SECTION 14/810 NOT IN DIRECTORY                    RECORD NUMBER    25910
```

251. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=811 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=811
             SECTION 14/811 NOT IN DIRECTORY                    RECORD NUMBER    25912
```

252. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=812 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=812
             SECTION 14/812 NOT IN DIRECTORY                    RECORD NUMBER    25914
```

253. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=813 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=813
             SECTION 14/813 NOT IN DIRECTORY                    RECORD NUMBER    25916
```

254. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=814 (0): Directory (b)

```
         ERROR(S) FOUND IN MAT=6040, MF=14, MT=814
             SECTION 14/814 NOT IN DIRECTORY                    RECORD NUMBER    25918
```

255. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=815 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=815
            SECTION 14/815 NOT IN DIRECTORY                 RECORD NUMBER   25920
```

256. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=816 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=816
            SECTION 14/816 NOT IN DIRECTORY                 RECORD NUMBER   25922
```

257. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=817 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=817
            SECTION 14/817 NOT IN DIRECTORY                 RECORD NUMBER   25924
```

258. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=818 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=818
            SECTION 14/818 NOT IN DIRECTORY                 RECORD NUMBER   25926
```

259. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=819 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=819
            SECTION 14/819 NOT IN DIRECTORY                 RECORD NUMBER   25928
```

260. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6040, MF=14, MT=820 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6040, MF=14, MT=820
            SECTION 14/820 NOT IN DIRECTORY                 RECORD NUMBER   25930
```

- **psyche** Warnings:

  1. Level density in URR not in agreement with PSYCHE's expectations
     FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.40000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.40000E-04 / DENSITY 1.22563E+01 SHOULD BE 8.12152E+00 (0): URR dens. (a)

```
        FILE  2
           SECTION 151
               ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.40000E-04
                     ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.40000E-04
                           DENSITY  1.22563E+01 SHOULD BE  8.12152E+00
```

  2. Level density in URR not in agreement with PSYCHE's expectations
     FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS 3.40000E-04 / DENSITY 1.22559E+01 SHOULD BE 8.12126E+00 (0): URR dens. (a)

33

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  3.40000E-04
                          DENSITY  1.22559E+01 SHOULD BE  8.12126E+00
```

3. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS
   3.40000E-04 / DENSITY 1.22402E+01 SHOULD BE 8.11084E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  3.40000E-04
                          DENSITY  1.22402E+01 SHOULD BE  8.11084E+00
```

4. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS
   3.40000E-04 / DENSITY 1.20646E+01 SHOULD BE 7.99449E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  3.40000E-04
                          DENSITY  1.20646E+01 SHOULD BE  7.99449E+00
```

5. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS
   3.40000E-04 / DENSITY 1.18726E+01 SHOULD BE 7.86726E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  3.40000E-04
                          DENSITY  1.18726E+01 SHOULD BE  7.86726E+00
```

6. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS
   3.40000E-04 / DENSITY 1.16838E+01 SHOULD BE 7.74213E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  3.40000E-04
                          DENSITY  1.16838E+01 SHOULD BE  7.74213E+00
```

7. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS
   3.40000E-04 / DENSITY 1.14981E+01 SHOULD BE 7.61909E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  3.40000E-04
                          DENSITY  1.14981E+01 SHOULD BE  7.61909E+00
```

8. Level density in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS
   3.40000E-04 / DENSITY 1.13154E+01 SHOULD BE 7.49807E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  3.40000E-04
                              DENSITY  1.13154E+01 SHOULD BE  7.49807E+00
```

9. Strength function in URR not in agreement with PSYCHE's expectations
   *FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS
   1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS
   4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE  2
   SECTION 151
         ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  1.20000E-04
                        AVERAGE GAMMA WIDTH 2.90000E-02
                                          LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [10 more lines]
```

10. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS
    1.20000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 1.20000E-04 /
    DENSITY 1.13701E+01 SHOULD BE 8.64206E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  1.20000E-04
                  ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.13701E+01 SHOULD BE  8.64206E+00
```

11. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.13698E+01 SHOULD BE 8.64178E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.13698E+01 SHOULD BE  8.64178E+00
```

12. Strength function in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS
    1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS
    4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  1.20000E-04
                        AVERAGE GAMMA WIDTH 2.90000E-02
                                          LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

13. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.13552E+01 SHOULD BE 8.63069E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.13552E+01 SHOULD BE  8.63069E+00
```

14. Strength function in URR not in agreement with PSYCHE's expectations
   FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  1.20000E-04
                         AVERAGE GAMMA WIDTH 2.90000E-02
                                        LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

15. Level density in URR not in agreement with PSYCHE's expectations
   FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.11923E+01 SHOULD BE 8.50689E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.11923E+01 SHOULD BE  8.50689E+00
```

16. Strength function in URR not in agreement with PSYCHE's expectations
   FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         AVERAGE GAMMA WIDTH 2.90000E-02
                                        LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

17. Level density in URR not in agreement with PSYCHE's expectations
   FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.10142E+01 SHOULD BE 8.37151E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.10142E+01 SHOULD BE  8.37151E+00
```

18. Strength function in URR not in agreement with PSYCHE's expectations
   FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

```
FILE  2
   SECTION 151
         ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         AVERAGE GAMMA WIDTH 2.90000E-02
                                        LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

19. Level density in URR not in agreement with PSYCHE's expectations
   FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS

36

1.20000E-04 / DENSITY 1.08390E+01 SHOULD BE 8.23835E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.08390E+01 SHOULD BE  8.23835E+00
```

20. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

```
FILE  2
   SECTION 151
           ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         AVERAGE GAMMA WIDTH 2.90000E-02
                                    LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

21. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.06667E+01 SHOULD BE 8.10742E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.06667E+01 SHOULD BE  8.10742E+00
```

22. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

```
FILE  2
   SECTION 151
           ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         AVERAGE GAMMA WIDTH 2.90000E-02
                                    LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
... [2 more lines]
```

23. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.04973E+01 SHOULD BE 7.97866E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.04973E+01 SHOULD BE  7.97866E+00
```

24. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 1.20000E-04 / AVERAGE GAMMA WIDTH 2.90000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

```
FILE  2
   SECTION 151
            ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         AVERAGE GAMMA WIDTH 2.90000E-02
                                    LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
   ... [2 more lines]
```

25. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS
    1.20000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 1.20000E-04 /
    DENSITY 1.22563E+01 SHOULD BE 6.17290E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  1.20000E-04
                   ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.22563E+01 SHOULD BE  6.17290E+00
```

26. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.22559E+01 SHOULD BE 6.17270E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.22559E+01 SHOULD BE  6.17270E+00
```

27. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.22402E+01 SHOULD BE 6.16478E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.22402E+01 SHOULD BE  6.16478E+00
```

28. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.20646E+01 SHOULD BE 6.07635E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.20646E+01 SHOULD BE  6.07635E+00
```

29. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.18726E+01 SHOULD BE 5.97965E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                              DENSITY  1.18726E+01 SHOULD BE  5.97965E+00
```

30. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.16838E+01 SHOULD BE 5.88454E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                          DENSITY  1.16838E+01 SHOULD BE  5.88454E+00
```

31. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.14981E+01 SHOULD BE 5.79102E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                          DENSITY  1.14981E+01 SHOULD BE  5.79102E+00
```

32. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.13154E+01 SHOULD BE 5.69904E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  1.20000E-04
                          DENSITY  1.13154E+01 SHOULD BE  5.69904E+00
```

33. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS
    1.20000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 1.20000E-04 /
    DENSITY 1.65010E+01 SHOULD BE 4.80114E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
      ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  1.20000E-04
               ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  1.20000E-04
                          DENSITY  1.65010E+01 SHOULD BE  4.80114E+00
```

34. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.65005E+01 SHOULD BE 4.80099E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  1.20000E-04
                          DENSITY  1.65005E+01 SHOULD BE  4.80099E+00
```

35. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.64793E+01 SHOULD BE 4.79483E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  1.20000E-04
                          DENSITY  1.64793E+01 SHOULD BE  4.79483E+00
```

36. Level density in URR not in agreement with PSYCHE's expectations
    *FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS
    1.20000E-04 / DENSITY 1.62429E+01 SHOULD BE 4.72605E+00 (0): URR dens. (a)*

39

```
FILE  2
   SECTION 151
          ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.62429E+01 SHOULD BE  4.72605E+00
```

37. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.59844E+01 SHOULD BE 4.65084E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
          ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.59844E+01 SHOULD BE  4.65084E+00
```

38. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.57302E+01 SHOULD BE 4.57686E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
          ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.57302E+01 SHOULD BE  4.57686E+00
```

39. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.54802E+01 SHOULD BE 4.50412E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
          ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.54802E+01 SHOULD BE  4.50412E+00
```

40. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 1.52343E+01 SHOULD BE 4.43259E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
          ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  1.20000E-04
                         DENSITY  1.52343E+01 SHOULD BE  4.43259E+00
```

41. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.44034E+01 SHOULD BE 1.25572E+01 (0): URR dens. (a)

```
FILE  2
   SECTION 151
       ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
              ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.44034E+01 SHOULD BE  1.25572E+01
```

42. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.44030E+01 SHOULD BE 1.25568E+01 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.44030E+01 SHOULD BE  1.25568E+01
```

43. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.43845E+01 SHOULD BE 1.25407E+01 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.43845E+01 SHOULD BE  1.25407E+01
```

44. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.41782E+01 SHOULD BE 1.23608E+01 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.41782E+01 SHOULD BE  1.23608E+01
```

45. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.39525E+01 SHOULD BE 1.21641E+01 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.39525E+01 SHOULD BE  1.21641E+01
```

46. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.37306E+01 SHOULD BE 1.19706E+01 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.37306E+01 SHOULD BE  1.19706E+01
```

47. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.35124E+01 SHOULD BE 1.17803E+01 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.35124E+01 SHOULD BE  1.17803E+01
```

48. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.32978E+01 SHOULD BE 1.15932E+01 (0): URR dens. (a)

41

```
FILE  2
   SECTION 151
            ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  1.32978E+01 SHOULD BE  1.15932E+01
```

49. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS
3.00000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 /
DENSITY 1.13701E+01 SHOULD BE 7.53431E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
         ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                   ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  1.13701E+01 SHOULD BE  7.53431E+00
```

50. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS
3.00000E-04 / DENSITY 1.13698E+01 SHOULD BE 7.53406E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  1.13698E+01 SHOULD BE  7.53406E+00
```

51. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS
3.00000E-04 / DENSITY 1.13552E+01 SHOULD BE 7.52439E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  1.13552E+01 SHOULD BE  7.52439E+00
```

52. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS
3.00000E-04 / DENSITY 1.11923E+01 SHOULD BE 7.41646E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  1.11923E+01 SHOULD BE  7.41646E+00
```

53. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS
3.00000E-04 / DENSITY 1.10142E+01 SHOULD BE 7.29843E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  1.10142E+01 SHOULD BE  7.29843E+00
```

54. Level density in URR not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS
3.00000E-04 / DENSITY 1.08390E+01 SHOULD BE 7.18235E+00 (0): URR dens. (a)*

```
FILE  2
   SECTION 151
            ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                        DENSITY  1.08390E+01 SHOULD BE  7.18235E+00
```

55. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.06667E+01 SHOULD BE 7.06820E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
            ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                        DENSITY  1.06667E+01 SHOULD BE  7.06820E+00
```

56. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.04973E+01 SHOULD BE 6.95594E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
            ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  3.00000E-04
                        DENSITY  1.04973E+01 SHOULD BE  6.95594E+00
```

57. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.22563E+01 SHOULD BE 5.38165E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                  ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                        DENSITY  1.22563E+01 SHOULD BE  5.38165E+00
```

58. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.22559E+01 SHOULD BE 5.38147E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
            ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  3.00000E-04
                        DENSITY  1.22559E+01 SHOULD BE  5.38147E+00
```

59. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.22402E+01 SHOULD BE 5.37457E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
            ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  3.00000E-04
                        DENSITY  1.22402E+01 SHOULD BE  5.37457E+00
```

60. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.20646E+01 SHOULD BE 5.29747E+00 (0): URR dens. (a)

43

```
FILE  2
   SECTION 151
         ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.20646E+01 SHOULD BE  5.29747E+00
```

61. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.18726E+01 SHOULD BE 5.21316E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.18726E+01 SHOULD BE  5.21316E+00
```

62. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.16838E+01 SHOULD BE 5.13025E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.16838E+01 SHOULD BE  5.13025E+00
```

63. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.14981E+01 SHOULD BE 5.04871E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.14981E+01 SHOULD BE  5.04871E+00
```

64. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.13154E+01 SHOULD BE 4.96853E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
         ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.13154E+01 SHOULD BE  4.96853E+00
```

65. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.65010E+01 SHOULD BE 4.18573E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
       ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                 ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.65010E+01 SHOULD BE  4.18573E+00
```

66. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.65005E+01 SHOULD BE 4.18559E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.65005E+01 SHOULD BE  4.18559E+00
```

67. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.64793E+01 SHOULD BE 4.18022E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.64793E+01 SHOULD BE  4.18022E+00
```

68. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.62429E+01 SHOULD BE 4.12026E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.62429E+01 SHOULD BE  4.12026E+00
```

69. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.59844E+01 SHOULD BE 4.05468E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.59844E+01 SHOULD BE  4.05468E+00
```

70. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.57302E+01 SHOULD BE 3.99019E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.57302E+01 SHOULD BE  3.99019E+00
```

71. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.54802E+01 SHOULD BE 3.92678E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                         DENSITY  1.54802E+01 SHOULD BE  3.92678E+00
```

72. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.52343E+01 SHOULD BE 3.86441E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  1.52343E+01 SHOULD BE  3.86441E+00
```

73. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / ENERGY = 1.80000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.68059E+01 SHOULD BE 3.42468E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
       ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                 ENERGY =  1.80000E+02. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  2.68059E+01 SHOULD BE  3.42468E+00
```

74. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.68050E+01 SHOULD BE 3.42457E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  2.00000E+02. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  2.68050E+01 SHOULD BE  3.42457E+00
```

75. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.67707E+01 SHOULD BE 3.42018E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  1.00000E+03. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  2.67707E+01 SHOULD BE  3.42018E+00
```

76. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.63867E+01 SHOULD BE 3.37112E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  1.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  2.63867E+01 SHOULD BE  3.37112E+00
```

77. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.59667E+01 SHOULD BE 3.31747E+00 (0): URR dens. (a)

```
FILE  2
   SECTION 151
           ENERGY =  2.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                             DENSITY  2.59667E+01 SHOULD BE  3.31747E+00
```

78. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.55537E+01 SHOULD BE 3.26470E+00 (0): URR dens. (a)

```
FILE   2
   SECTION 151
            ENERGY =  3.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                          DENSITY  2.55537E+01 SHOULD BE  3.26470E+00
```

79. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.51476E+01 SHOULD BE 3.21282E+00 (0): URR dens. (a)

```
FILE   2
   SECTION 151
            ENERGY =  4.00000E+04. STRENGTH FUNCTION IS  3.00000E-04
                          DENSITY  2.51476E+01 SHOULD BE  3.21282E+00
```

80. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.03000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.47482E+01 SHOULD BE 3.16179E+00 (0): URR dens. (a)

```
FILE   2
   SECTION 151
            ENERGY =  5.03000E+04. STRENGTH FUNCTION IS  3.00000E-04
                          DENSITY  2.47482E+01 SHOULD BE  3.16179E+00
```

81. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 107 / THE CALCULATED Q 7.92823E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q

```
FILE   3
   SECTION 107
            THE CALCULATED Q  7.92823E+06 DISSAGREES WITH THE GIVEN Q  0.00000E+00
```

- fudge-4.0 Warnings:

  1. Missing a channel with a particular angular momenta combination
     resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

     ```
     WARNING: Missing a channel with angular momenta combination L = 0, J = 1.0 and S = 1.0 for "capture"
     ```

  2. Potential scattering hasn't converted, you need more L's!
     resonances / resolved (Error # 1): potentialScatteringNotConverged

     ```
     WARNING: Potential scattering hasn't converged by L=0 at E=180.0 eV, xs[0]/xs[0]=100.0% > 0.1%
     ```

  3. The URR for this spin group needs higher energy resolution for correct representation of the average cross section
     resonances / unresolved (Error # 0): URRinsufficientEnergyGrid

     ```
     WARNING: More points needed in L=0 J=2.0 unresolved widths between 2.e2 eV and 1.e3 eV
     WARNING: More points needed in L=0 J=2.0 unresolved widths between 1.e3 eV and 1.e4 eV
     WARNING: More points needed in L=0 J=3.0 unresolved widths between 2.e2 eV and 1.e3 eV
     WARNING: More points needed in L=0 J=3.0 unresolved widths between 1.e3 eV and 1.e4 eV
             ... plus 20 more instances of this message
     ```

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
   reaction label 25: n[multiplicity:'2'] + Nd146 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -5637392.186462402 eV vs -5.291e6 eV!
   ```

2. Calculated and tabulated Q values disagree.
   reaction label 26: n[multiplicity:'3'] + Nd145 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -13153915.10183716 eV vs -1.2856e7 eV!
   ```

3. Calculated and tabulated Q values disagree.
   reaction label 27: n + H1 + Pr146 + gamma (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -8612857.346191406 eV vs -8.679e6 eV!
   ```

4. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
   reaction label 27: n + H1 + Pr146 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

   ```
   WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV
   WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV
   WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV
   WARNING: Extra zero-probability outgoing energies found at incident energy 1.4e7 eV
           ... plus 7 more instances of this message
   ```

5. Calculated and tabulated Q values disagree.
   reaction label 28: H1 + Pr147 (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -2035899.795303345 eV vs -1.903e6 eV!
   ```

6. Calculated and tabulated Q values disagree.
   reaction label 29: H1 + Pr147_e1 (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -2038499.795303345 eV vs -1.9056e6 eV!
   ```

7. Calculated and tabulated Q values disagree.
   reaction label 30: H1 + Pr147_e2 (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -2063999.795303345 eV vs -1.9311e6 eV!
   ```

8. Calculated and tabulated Q values disagree.
   reaction label 31: H1 + Pr147_e3 (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -2128799.795303345 eV vs -1.9959e6 eV!
   ```

9. Calculated and tabulated Q values disagree.
   reaction label 32: H1 + Pr147_e4 (Error # 0): Q mismatch

   ```
   WARNING: Calculated and tabulated Q-values disagree: -2281899.795303345 eV vs -2.149e6 eV!
   ```

10. Calculated and tabulated Q values disagree.
    reaction label 33: H1 + Pr147_e5 (Error # 0): Q mismatch

    ```
    WARNING: Calculated and tabulated Q-values disagree: -2327899.795303345 eV vs -2.195e6 eV!
    ```

11. Calculated and tabulated Q values disagree.
    reaction label 34: H1 + Pr147_e6 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2397599.795303345 eV vs -2.2647e6 eV!`

12. Calculated and tabulated Q values disagree.
    reaction label 35: H1 + Pr147_e7 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2420199.795303345 eV vs -2.2873e6 eV!`

13. Calculated and tabulated Q values disagree.
    reaction label 36: H1 + Pr147_e8 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2486899.795303345 eV vs -2.354e6 eV!`

14. Calculated and tabulated Q values disagree.
    reaction label 37: H1 + Pr147_e9 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2502999.795303345 eV vs -2.3701e6 eV!`

15. Calculated and tabulated Q values disagree.
    reaction label 38: H1 + Pr147_e10 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2506599.795303345 eV vs -2.3737e6 eV!`

16. Calculated and tabulated Q values disagree.
    reaction label 39: H1 + Pr147_e11 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2581499.795303345 eV vs -2.4486e6 eV!`

17. Calculated and tabulated Q values disagree.
    reaction label 40: H1 + Pr147_e12 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2616399.795303345 eV vs -2.4835e6 eV!`

18. Calculated and tabulated Q values disagree.
    reaction label 41: H1 + Pr147_e13 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2642899.795303345 eV vs -2.51e6 eV!`

19. Calculated and tabulated Q values disagree.
    reaction label 42: H1 + Pr147_e14 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2672799.795303345 eV vs -2.5399e6 eV!`

20. Calculated and tabulated Q values disagree.
    reaction label 43: H1 + (Pr147_c ->Pr147 + gamma) (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: -2672799.795303345 eV vs -2.5399e6 eV!`

21. Calculated and tabulated Q values disagree.
    reaction label 44: He4 + Ce144 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 8251587.170074463 eV vs 7.931e6 eV!`

22. Calculated and tabulated Q values disagree.
    reaction label 45: He4 + Ce144_e1 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 7854147.170074463 eV vs 7533560. eV!`

23. Calculated and tabulated Q values disagree.
    reaction label 46: He4 + Ce144_e2 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 7312937.170074463 eV vs 6992350. eV!`

24. Calculated and tabulated Q values disagree.
    reaction label 47: He4 + Ce144_e3 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 7009377.170074463 eV vs 6688790. eV!`

25. Calculated and tabulated Q values disagree.
    reaction label 48: He4 + Ce144_e4 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6905487.170074463 eV vs 6.5849e6 eV!`

26. Calculated and tabulated Q values disagree.
    reaction label 49: He4 + Ce144_e5 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6762587.170074463 eV vs 6.442e6 eV!`

27. Calculated and tabulated Q values disagree.
    reaction label 50: He4 + Ce144_e6 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6727917.170074463 eV vs 6407330. eV!`

28. Calculated and tabulated Q values disagree.
    reaction label 51: He4 + Ce144_e7 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6577917.170074463 eV vs 6257330. eV!`

29. Calculated and tabulated Q values disagree.
    reaction label 52: He4 + Ce144_e8 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6560057.170074463 eV vs 6239470. eV!`

30. Calculated and tabulated Q values disagree.
    reaction label 53: He4 + Ce144_e9 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6432587.170074463 eV vs 6.112e6 eV!`

31. Calculated and tabulated Q values disagree.
    reaction label 54: He4 + Ce144_e10 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6422577.170074463 eV vs 6101990. eV!`

32. Calculated and tabulated Q values disagree.
    reaction label 55: He4 + Ce144_e11 (Error # 0): Q mismatch

    `WARNING: Calculated and tabulated Q-values disagree: 6387087.170074463 eV vs 6.0665e6 eV!`

33. Calculated and tabulated Q values disagree.
reaction label 56: He4 + Ce144_e12 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6360667.170074463 eV vs 6040080. eV!
```

34. Calculated and tabulated Q values disagree.
reaction label 57: He4 + Ce144_e13 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6260037.170074463 eV vs 5939450. eV!
```

35. Calculated and tabulated Q values disagree.
reaction label 58: He4 + Ce144_e14 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6230487.170074463 eV vs 5.9099e6 eV!
```

36. Calculated and tabulated Q values disagree.
reaction label 59: He4 + Ce144_e15 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6222887.170074463 eV vs 5.9023e6 eV!
```

37. Calculated and tabulated Q values disagree.
reaction label 60: He4 + Ce144_e16 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6210887.170074463 eV vs 5.8903e6 eV!
```

38. Calculated and tabulated Q values disagree.
reaction label 61: He4 + Ce144_e17 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6139487.170074463 eV vs 5.8189e6 eV!
```

39. Calculated and tabulated Q values disagree.
reaction label 62: He4 + Ce144_e18 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6124587.170074463 eV vs 5.804e6 eV!
```

40. Calculated and tabulated Q values disagree.
reaction label 63: He4 + Ce144_e19 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6098787.170074463 eV vs 5.7782e6 eV!
```

41. Calculated and tabulated Q values disagree.
reaction label 64: He4 + Ce144_e20 (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6030787.170074463 eV vs 5.7102e6 eV!
```

42. Calculated and tabulated Q values disagree.
reaction label 65: He4 + (Ce144_c ->Ce144 + gamma) (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 6030787.170074463 eV vs 5.7102e6 eV!
```

43. Calculated and tabulated Q values disagree.
reaction label 66: Nd148 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 7313406.547332764 eV vs 7.333e6 eV!
```

44. Calculated and tabulated Q values disagree.
    reaction label 67: n + He4 + Ce143 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: 735064.2547454834 eV vs 1.035e6 eV!
```

45. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
    reaction label 67: n + He4 + Ce143 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

```
WARNING: Extra zero-probability outgoing energies found at incident energy 6.e6 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 7.e6 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 8.e6 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV
        ... plus 12 more instances of this message
```

46. Calculated and tabulated Q values disagree.
    reaction label 68: n[multiplicity:'2'] + He4 + Ce142 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -3962762.567352295 eV vs -4.109e6 eV!
```

47. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
    reaction label 68: n[multiplicity:'2'] + He4 + Ce142 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

```
WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.4e7 eV
        ... plus 7 more instances of this message
```

48. Calculated and tabulated Q values disagree.
    reaction label 69: n[multiplicity:'2'] + H1 + Pr145 + gamma (Error # 0): Q mismatch

```
WARNING: Calculated and tabulated Q-values disagree: -14250249.53271484 eV vs -1.388e7 eV!
```

49. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
    reaction label 69: n[multiplicity:'2'] + H1 + Pr145 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

```
WARNING: Extra zero-probability outgoing energies found at incident energy 1.6e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.7e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV
        ... plus 1 more instances of this message
```

50. Cross section domain does not match domain of linked reaction cross section sum
    crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch

```
WARNING: Cross section domain does not match domain of linked reaction cross section sum
```

51. Cross section domain does not match domain of linked reaction cross section sum
   crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch

   ```
   WARNING: Cross section domain does not match domain of linked reaction cross section sum
   ```

- `njoy2012`   Warnings:

   1. Recoil is not given, so one-particle recoil approximation used.
      heatr...prompt kerma (0): HEATR/hinit (4)

      ```
      ---message from hinit---mf6, mt102 does not give recoil za= 60148
                            photon momentum recoil used.
      ```